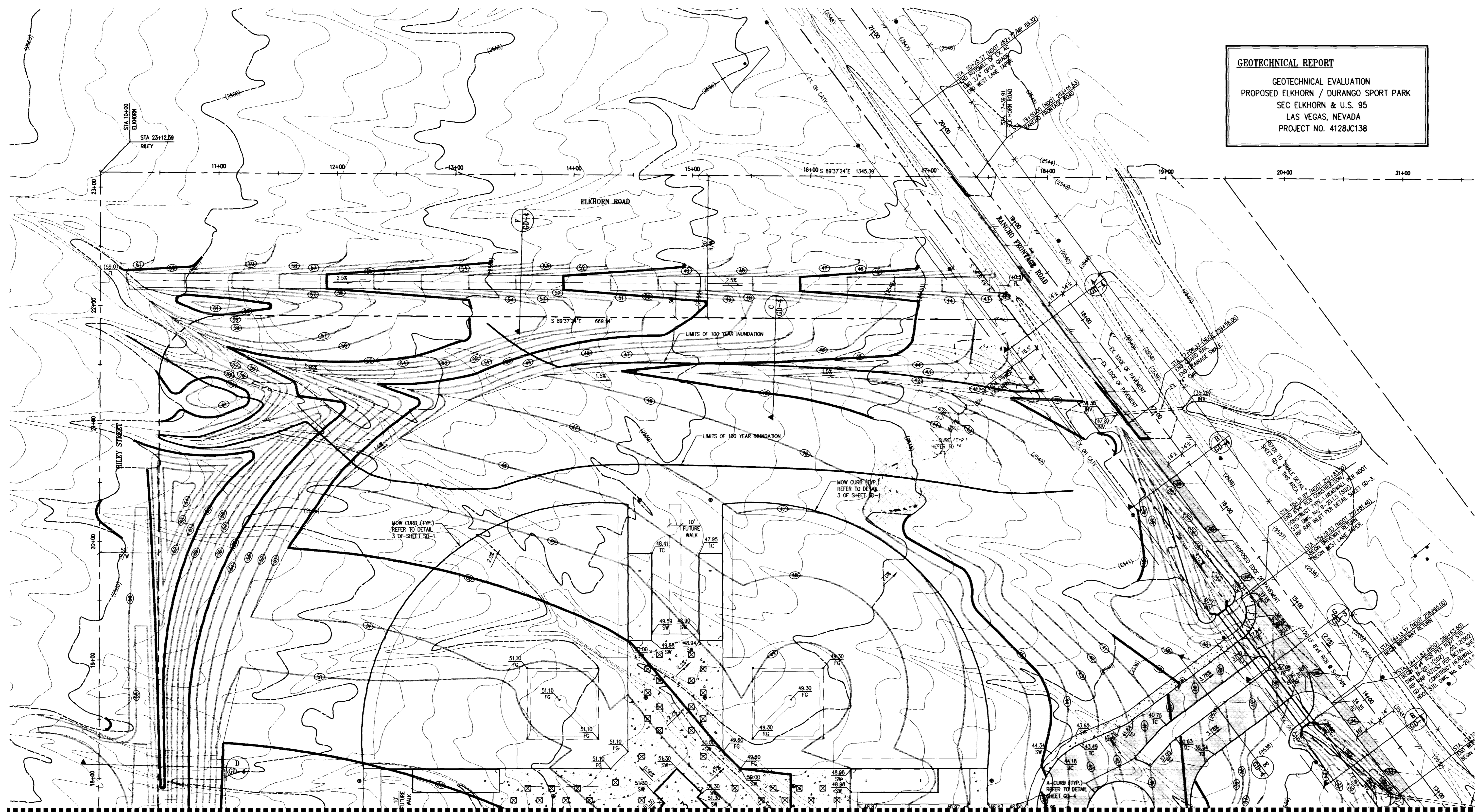




GEOTECHNICAL REPORT
 GEOTECHNICAL EVALUATION
 PROPOSED ELKHORN / DURANGO SPORT PARK
 SEC ELKHORN & U.S. 95
 LAS VEGAS, NEVADA
 PROJECT NO. 412BJC138



MATCHLINE - SEE SHEET GD-2

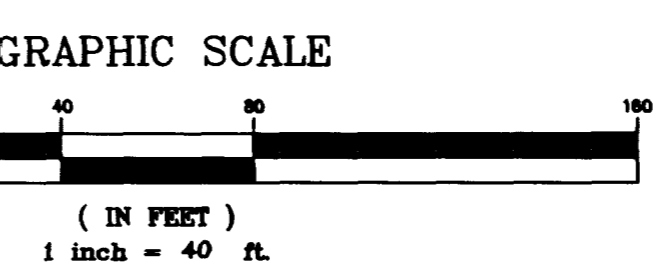
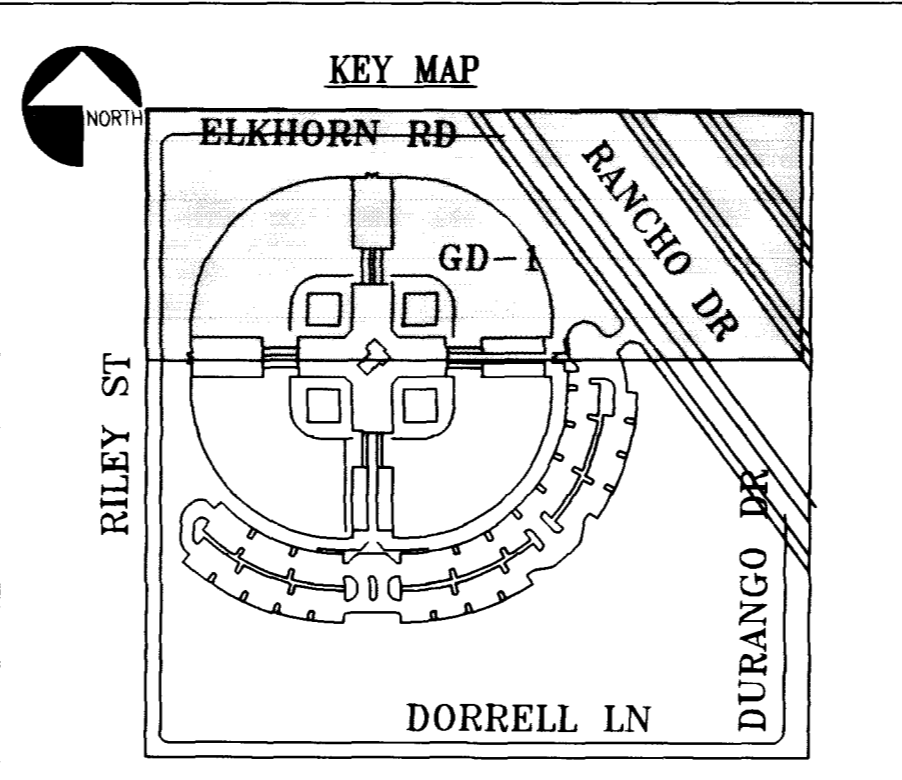
CITY OF LAS VEGAS GRADING NOTES

- IN THE EVENT THAT UNOBSERVED CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
- IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SURFACES, FINISH GRADES, AND SLOPES SHOWN.
- CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR COLLAPSE OF THE EXCAVATION.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
- THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
- CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION IN THE AREAS INDICATED:

COMPACTION	
HORIZONTAL	VERTICAL
± 0.5'	± 0.1'
AS INDICATED ON PLAN	
MINIMUM OF 90% OR AS SHOWN ON PLANS	
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- THE USE OF POTABLE WATER WITHOUT THE SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSTRUCTION OF BACKFILL OR BEST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
- THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
- IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DISCRETION OF THE CONSTRUCTION PROJECT REPRESENTATIVE. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BENCHES, ROAD SIGNS AND BARRICADES, ETC.

LEGEND AND SYMBOLS:

AC	ASPHALTIC CONCRETE	— 2314 —	FINISH GROUND CONTOUR
BSW	BACK OF SIDEWALK	⊕	EXISTING VALVE
CO1	CLEAN OUT NO.		
CONC	CONCRETE		
FF	FINISH FLOOR		
FG	FINISH GROUND		
HP	HIGH POINT		
INV.	INVERT		
NG	NATURAL GROUND		
T	TRASH ENCLOSURE		
SW	SIDEWALK GRADE		
03.6	PROPOSED ELEVATION		
(02.6±)	EXISTING ELEVATION		
2.0%	RATE AND DIRECTION OF SLOPE		
(2313)	EXISTING GROUND CONTOUR		
	UTILITY TRENCH WITH SAWCUT LINES		
	EXISTING CURB, GUTTER AND SIDEWALK		
	FENCE LINE (EXISTING, TEMPORARY AND PROPOSED)		
	PROJECT LIMITS OF CONSTRUCTION LINE		



NOTE:
 CONTRACTOR TO STOCKPILE ANY CLEAN EXCESS SOIL ON-SITE IN AN AREA DESIGNATED BY THE OWNER'S REPRESENTATIVE

- NEW CONCRETE.
- NEW ASPHALTIC CONCRETE (AC)
- TYPE II GRAVEL. CONTRACTOR SHALL INSTALL SS-1H ASPHALT EMULSION AS A DUST CONTROL TOP DRESSING TO ALL UNPAVED PARKING LOT AREAS.

BENCHMARK
 CLV No. 1 STA. 11092020ES
 6LM BRASS CAP, DURANGO DRIVE & ELKHORN RD.
 ELEVATION=771.4156 METERS (2530.886 FEET)
 NAVD83 DATUM

BASIS OF BEARING
 CENTERLINE (SECTION LINE) OF DURANGO DRIVE
 BEARING S 07°21'37" W

Call before you Dig
 1-800-227-2600
 UNDERGROUND SERVICE ALERT (U.S.A.)

Call before you OVERHEAD
 1-702-593-6111
 NEVADA POWER ENVIRONMENT & SAFETY SERVICES DEPARTMENT

NOTE TO CONTRACTOR:
 CELLA BARR ASSOCIATES, INC. (CBA) HAS UNDERTAKEN TO PROVIDE ACCURATE UTILITY INFORMATION BASED ON THE MOST CURRENT DATA AVAILABLE. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTHS AND UTILITIES SHOWN ON THIS PLAN BY FIELD SURVEY PRIOR TO CONSTRUCTION.
 Use of the information contained in this document for other than the specific purpose for which it was prepared and any other use without the express written consent of Cella Barr Associates, Inc. Cella Barr Associates shall have no liability for any use of this information without their written consent.

REVISIONS

CONSULTANT

CBA CELLA BARR ASSOCIATES
 Landscape Architecture, Engineering, Planning, Surveying, Planning
 1771 E. Flamingo Road, Suite 100, Las Vegas, Nevada 89119 (702) 885-7779
 Offices in Reno/Tahoe and Boulder

ELKHORN AND DURANGO
 BALLFIELD COMPLEX
 GRADING PLAN

PROFESSIONAL ENGINEER - STATE OF NEVADA
GUY F. RUDDY
 License No. 12848
 8/18/98

DEPARTMENT OF PUBLIC WORKS
 ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE
 LAS VEGAS, NEVADA 89101
 PHONE: (702) 231-6534
 FAX: (702) 382-3232
 TDD: (702) 386-9108

ARCHITECT
 RICHARD DANIELSON, AIA

DRAWN: gfr
 FILE: 888-4GRD
 DATE: AUGUST 1998
 SCALE: 1"=40'
 PROJECT: ELKHORN AND DURANGO BALLFIELD COMPLEX
 SHEET NO. GD-1
 SHEET 8 OF 34

